

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicants: Mitsuo OSHIMURA *et al.*  
Title: **HUMAN ARTIFICIAL CHROMOSOME (HAC) VECTOR**  
Appl. No.: 10/530,207  
371(c) Date: 02/13/2006  
Examiner: Kevin Kai Hill  
Art Unit: 1633  
Confirmation No. 1647

**AMENDMENT AND REPLY UNDER 37 CFR § 1.114**

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Final Office Action dated June 18, 2009, in the referenced patent application, and is being filed concurrently with an RCE.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks/Arguments** begin on page 8 of this document.